

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051844

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M2/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01G H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 03/073534 A (CREAVIS GESELLSCHAFT FUER TECHNOLOGIE UND INNOVATION MBH; HENNIGE, VOL) 4 September 2003 (2003-09-04)</p> <p>page 1, paragraph 1 - paragraph 2</p> <p>page 2, paragraph 2 - page 3, paragraph 1</p> <p>page 4, line 1 - line 12</p> <p>page 6, line 1 - line 10</p> <p>page 9, paragraph 1</p> <p>example 1</p> <p>page 10, line 1 - page 12, line 2</p> <p>page 12, paragraph 1 - page 18, paragraph 6</p> <p>page 19, paragraphs 3,4</p> <p>claims 1-32</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">-/--</p>	1-23



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

14 October 2005

Date of mailing of the international search report

02/11/2005

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PCT/EP2004/051844

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/15262 A (CREAVIS GESELLSCHAFT FUER TECHNOLOGIE UND INNOVATION MBH; PENTH, BERND) 1 April 1999 (1999-04-01) cited in the application page 1, line 4 - line 18 page 3, line 11 - line 15 page 5, line 8 - line 14 page 6, line 18 - line 22 page 7, line 10 - page 8, line 1 -----	1-23
A	WO 00/38263 A (FINECELL CO., LTD; JANG, DONG, HUN; KIM, SA, HEUM; KIM, HAN, JUN; HONG) 29 June 2000 (2000-06-29) page 1, paragraph 1 page 8, line 1 - line 8 page 8, line 22 - page 10, line 6 page 11, line 13 - line 26 -----	1-23
A	US 2002/122986 A1 (LABARGE WILLIAM J ET AL) 5 September 2002 (2002-09-05) paragraphs '0012!, '0013! claims 1,9 -----	1-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051844

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03073534	A	04-09-2003	AU 2003210159 A1	09-09-2003
			CA 2477062 A1	04-09-2003
			CN 1639887 A	13-07-2005
			DE 10208277 A1	04-09-2003
			EP 1509960 A2	02-03-2005
			US 2005084761 A1	21-04-2005
WO 9915262	A	01-04-1999	AT 284756 T	15-01-2005
			AT 297247 T	15-06-2005
			CA 2272310 A1	01-04-1999
			CA 2272312 A1	01-04-1999
			CA 2272314 A1	01-04-1999
			CA 2272318 A1	01-04-1999
			WO 9915260 A1	01-04-1999
			WO 9915272 A1	01-04-1999
			WO 9915257 A1	01-04-1999
			EP 0951355 A1	27-10-1999
			EP 0959981 A1	01-12-1999
			EP 0939669 A1	08-09-1999
			EP 0946270 A1	06-10-1999
			NO 992432 A	12-07-1999
			NO 992433 A	12-07-1999
			NO 992434 A	12-07-1999
			NO 992435 A	12-07-1999
			US 6309545 B1	30-10-2001
			US 6299778 B1	09-10-2001
			US 6340379 B1	22-01-2002
			US 6299668 B1	09-10-2001
WO 0038263	A	29-06-2000	CN 1331848 A	16-01-2002
			EP 1171927 A1	16-01-2002
			JP 2002543554 T	17-12-2002
			KR 2000041210 A	15-07-2000
US 2002122986	A1	05-09-2002	NONE	